

Title (en)

Method for recognising dental surface structures

Title (de)

Verfahren zur Erkennung von dentalen Oberflächenstrukturen

Title (fr)

Procédé destiné à la détection de structures de surfaces dentaires

Publication

EP 1811264 B1 20111130 (DE)

Application

EP 07100704 A 20070117

Priority

DE 102006002616 A 20060118

Abstract (en)

[origin: EP1811264A1] The method involves connecting piezo ceramics (3) of an hand instrument (1) such as an ultrasonic scaler with an operating point (2) for detection and evaluation of oscillation of the operating point dependent of the surface structure of a tooth. The operating point is moved with or without a device sided stimulation via a surface of the tooth to be detected such that the occurrence of the oscillation of the operating point is detected, and the oscillation caused and not caused by the device sided stimulation is evaluated. Independent claims are also included for the following: (1) a device for recognizing the surface structure of the tooth (2) an application of the device for recognizing a surface structure of tooth substances.

IPC 8 full level

G01B 7/34 (2006.01); **A61C 19/04** (2006.01); **G01H 1/00** (2006.01); **G01N 29/12** (2006.01)

CPC (source: EP)

A61C 19/04 (2013.01); **G01B 7/34** (2013.01); **G01N 29/045** (2013.01); **G01N 29/12** (2013.01); **G01N 2291/02483** (2013.01)

Cited by

US8882503B2; US9814541B2

Designated contracting state (EPC)

AT CH DE FR IT LI

DOCDB simple family (publication)

EP 1811264 A1 20070725; **EP 1811264 B1 20111130**; AT E535776 T1 20111215; DE 102006002616 A1 20070726

DOCDB simple family (application)

EP 07100704 A 20070117; AT 07100704 T 20070117; DE 102006002616 A 20060118